



## METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY

### **AMENDMENT NO. 1 RFP NO. 10-26**

Notice to: All Prospective Offerors

From: Ken Hackett, CPPB  
Division of Purchases

Re: Request for Proposal # 10-26  
2009 Manhole Rehabilitation  
MWS Project No. 03-SG-224-3

Date: March 29, 2010

Acknowledge receipt of this addendum by including a copy of this document with your proposal submittal. Failure to do so may subject the prospective offerors to disqualification. This addendum forms part of the above-mentioned procurement and clarifies the previously issued documents.

The following amendment items supplement, modify, change, delete from, or add to the Request for Proposal issued March 10, 2010. Where any provision or requirement, or Article, Paragraph, Subparagraph, Section or Clause is modified or deleted by this amendment, the unaltered portion(s) of any provision or requirement, or Article, Paragraph, Subparagraph, Section or Clause shall remain in effect.

### MODIFICATIONS

1. The Purpose of this modification is to change all manhole rehabilitation to Level C. Delete the references to Level B rehabilitation in the Specifications. See the attached revised sheet no. 3 of 23 and revised Proposal Form.

### QUESTIONS

Question 1: Can C. K. Masonry Company, Inc. bid on this project as the Prime Contractor or do we have to bid as a subcontractor to someone like Insituform, Reynolds, etc.?

Answer: This is an open RFP. Any Contractor that meets the requirements of the RFP may submit a Proposal. Contractors can not submit as a Prime Contractor and as a sub-contractor to other Proposers.

Question 2: I would like to submit a product for approval on the above mentioned project. I have attached some product information for your review. Whom do I need to speak with regarding this matter? Thank you for your assistance.

Answer: Only the products specified in the technical specifications may be used on this project. Please contact Steve Nunley at [steve.nunley@nashville.gov](mailto:steve.nunley@nashville.gov) to submit products for review by Metro Water Services for future projects.

Question 3: Please consider our Madewell, Mainstay Composite Liner System as an equal to your specifications for 2009 Manhole Rehabilitation project.

Answer: Only the products specified in the technical specifications may be used on this project. Please contact Steve Nunley at [steve.nunley@nashville.gov](mailto:steve.nunley@nashville.gov) to submit products for review by Metro Water Services for future projects.

Question 4: Is there a plan holders/bidders list you can send me on this project - Metropolitan Government of Nashville & Davidson County - 2009 Manhole Rehabilitation, please? I.D. 10-26. Also, is there a cost estimate for this project?

Answer: There is no plan holders/bidders list. The cost estimate is \$400,000

Question 5 Some Clarification needed on groundwater pressure. In section 02765-4 Number 9 states "Each lining system shall be installed in accordance with the manufacturer's recommendation to withstand groundwater pressures. For manholes greater than 12 feet in depth, the lining shall withstand the pressures associated with a groundwater depth equal to the manhole depth. Linings for all other manholes shall withstand the pressures associated with groundwater depth of 12 feet. Measure groundwater depth from manhole bench to top of ground surface."

For example a 4 ft diameter manhole 8 ft deep do we need to design for 12 ft water pressure for this 8 ft deep manhole? Or do we need to design it for groundwater pressure of 8 ft ?

And lets for example a 4 ft diameter manhole at 16 ft deep do we design for 16 ft of water pressure or 12ft? We use ASTM 1216 equation for the design of this process.

Answer: For manhole depth of 0 to 12 feet, design for 12 feet of water pressure. For manholes greater than 12 feet, design for ground water depth equal to manhole depth.

Question 6 We like to look at every manhole before we bid. Is there someone we need to notify when we are going to look at these manholes?

Answer: Most of the manholes are accessible for inspection. The two exceptions are the wet wells for the Lakeview Pump Station and Rolling Hills Drive #2 Pump Station. Access to the Lakeview PS will be provided on Thursday April 1 from 8:00 to 9:00 am. Access to the Rolling Hills Drive #2 Pump Station will be provided on Thursday April 1 from 9:30 to 10:30 am.

Question 7 My email copy of the RFP documents contained attachments 1 through 4. Attachment 1 was the RFP proper. Attachment 4 included the Bid Tabs. Attachment 2 and attachment 3 were exactly the same (plan sheets from 1 to 23). Is there another attachment or do I have all the information?

Answer: There is not another attachment; you have all of the information.

Question 8 Historically, within MWS, manholes with large diameter pipe (> 15") have not required the coating of the invert and the vacuum testing due to safety issues, possibility of surcharges, and the relatively high cost to benefit due to the need for by-pass pumping. Instead these manholes were prepped and materials sprayed down to the low flow line. Of the 62 manholes listed, there are two manholes on the manhole tabulation sheet that have pipe diameters larger than 15". One is MH 133-04-001 which accesses an 18" line and the other is MH 133-04-025 which accesses a 36" pipe. It is highly likely that by-pass pumps would be required on these two manholes if coating of the inverts and vacuum testing is required. This would require blending the costs of the bypass pumping across all the other manholes to cover costs. Our question is two fold;

8.a .Does MWS wish for the contractor to coat the large diameter manholes which would require by-pass pumping or save funds by spraying down to the low flow

Answer: Add the following paragraphs C and D to specification sections 3.04, 3.05 and 3.06

C. The sloped surface of the manhole bench shall be made non-skid by broadcasting aluminum oxide or sand into the surface prior to gelatin/set.

D. The Level C system shall be applied down to the low water line of the early a.m. flow depth in the invert for all sewers greater than 16-inch in diameter unless there are visible invert leaks. For sewers smaller than 16-inch in diameter or all manholes with invert leaks, the invert shall be fully applied.

8.b. Does MWS wish to vacuum test large diameter pipe (>15") which will most likely require by-pass pumping to safely hard plug the inlet (especially on the 36" line) or conduct a visual inspection these larger diameter pipes?

Answer: See Specification section 3.07. Manholes with lines less than 16" in diameter must pass a vacuum in section. Manholes with lines greater than 16" must pass a visual inspection.

Question 9 As a point of clarification, C. K. Masonry Co., Inc wishes to verify that MWS desires for all manhole inverts to be coated with the epoxy, PUR, or multi component stress skin panel system. As a practice, C. K. Masonry views the prepping and coating of inverts to be a valuable service to the sewer system. In other municipalities, C. K. Masonry has seen multi component stress skin panel systems win business then negotiate spraying down to the flow line regardless of the pipe diameter. Since the coating of inverts is a fairly expensive part of the total rehabilitation cost, we wish to ensure that all parties bid with this cost in mind. Please confirm, the possible exception detailed in your response to question #2 above, that MWS intends to require the coating of inverts with the approved Level C material.

Answer: See answer to Question 8a. above.

Question 10 As a point of clarification, please confirm that all manholes coated with the Level C material are to be vacuum tested as described in the RFP (with the possible exception of your response to question #2 above).

Answer: See Specification section 3.07 Manholes with lines less than 16" in diameter must pass a vacuum in section. Manholes with lines greater than 16" must pass a visual inspection.

End of Amendment No. 1

**ATTACHMENT to AMENDMENT ONE**

**PROPOSAL FORM - REVISED  
RFP 10-26**

Proposal to  
The Metropolitan Government of Nashville  
and Davidson County

Project Name: 2009 Manhole Rehabilitation

Project Numbers: \_\_\_\_\_

Full Name of OFFEROR: \_\_\_\_\_

Main Business Address: \_\_\_\_\_

Place of Business: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

This Proposal is submitted to:

The Metropolitan Government of Nashville and Davidson County  
Ken Hackett Contract Specialist  
222 Third Avenue North, 6th Floor  
Nashville, TN 37201

1. The undersigned OFFEROR proposes and agrees, if this PROPOSAL is accepted, to enter into a contract with OWNER, in the form included in the Fixed Price Construction Contract, without modification or alteration, to perform and furnish all Work as specified or indicated in the Contract for the Proposed Price and within the Times stated by the Offeror and in accordance with the other terms and conditions of the Contract.
2. OFFEROR accepts all of the terms and conditions of the RFP, including without limitation those dealing with the disposition of Proposal security. This Proposal will remain subject to acceptance for ninety days (90) after the day of Proposal opening. Should a contract be awarded to PROPOSER, PROPOSER will sign and deliver the required number of counterparts of the Contract with the Bonds and other documents required by the RFP and the Contract, within fifteen days after the date of OWNER's Notice of Award.
3. In submitting this Proposal, OFFEROR represents, as is more fully set forth in the Contract, that:
  - (a) OFFEROR has examined and carefully studied the RFP and the following Addenda, receipt of all which is hereby acknowledged (list Addenda by Addendum Number and Date): \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; and \_\_\_\_\_ .

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**PROPOSAL FORM - REVISED**  
**2009 Manhole Rehabilitation**  
**Project No. 03-SG-224-3**  
**RFP 10-26**

- (b) OFFEROR has visited the site and become familiar with and is satisfied as to the general, local and site conditions that may affect cost, progress, performance and furnishing of the Work, and understands that Owner makes no representations concerning site conditions unless same are specifically and expressly set forth in the Contract and the Contract specifically states that the Contractor may rely on the accuracy of a particular representation;
- (c) OFFEROR is familiar with and is satisfied as to all federal, state and local laws and regulations that may affect cost, progress, performance and furnishing of the Work.
- (d) OFFEROR understands that Owner makes no representation or warranty of any nature whatsoever to the OFFEROR concerning the Contract. OFFEROR hereby acknowledges and represents that it has reviewed and carefully examined the Contract, has found it to be complete, accurate, adequate, consistent, coordinated and sufficient for construction and that the OFFEROR has not and will not rely upon representations or warranties by the Metropolitan Government concerning the contract, as no such representations or warranties have been or are hereby made (except as provided in 3(b), above).
- (e) OFFEROR is aware of the general nature of Work to be performed by Owner and others at the site, if any, that relates to Work for which this Proposal is submitted as indicated in the Contract.
- (f) OFFEROR has correlated the information known to OFFEROR, information and observations obtained from visits to the site, reports, and drawings identified in the Contract and all additional examinations, investigations, explorations, tests, studies and data with the Contract.
- (g) OFFEROR has given the Architect/Engineer written notice of all conflicts, errors, ambiguities or discrepancies that OFFEROR has discovered in the Contract and the written resolution thereof by the Architect/Engineer is acceptable to OFFEROR, and the Contract is generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work for which this Proposal is submitted.
- (h) This Proposal is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; OFFEROR has not directly or indirectly induced or solicited any other OFFEROR to submit a false or sham PROPOSAL; OFFEROR has not solicited or induced any person, firm or corporation to refrain from proposing; and OFFEROR has not sought by collusion to obtain for itself any advantage over any other OFFEROR or over OWNER.

**ATTACHMENT to AMENDMENT ONE  
PROPOSAL FORM - REVISED  
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**PROPOSAL SCHEDULE**

**Part A - UNIT PRICE SANITARY SEWER CONSTRUCTION ITEMS**

**Item No. A-1**

600 vertical feet of sanitary sewer manhole 4.0 feet and less (approximately 41 manholes) in diameter rehabilitation by repair and sealing of the manhole base, invert, structure, walls, corbel/cone, and chimney; and structural lining with spray applied urethane or epoxy resin systems or multi-component stress skin liner – Level C Manhole Rehabilitation, and test manhole.

@ \_\_\_\_\_ Dollars and \_\_\_\_\_ Cents  
(in writing) (in writing)

\$ \_\_\_\_\_ per vertical feet equals \$ \_\_\_\_\_  
(in figures) (in figures) TOTAL

**Item No. A-2**

50 vertical feet of sanitary sewer manhole 5.0 feet (approximately 2 manholes) in diameter rehabilitation by repair and sealing of the manhole base, invert, structure, walls, corbel/cone, and chimney; and structural lining with spray applied urethane or epoxy resin systems or multi-component stress skin liner system– Level C Manhole Rehabilitation, and test manhole.

@ \_\_\_\_\_ Dollars and \_\_\_\_\_ Cents  
(in writing) (in writing)

\$ \_\_\_\_\_ per vertical feet equals \$ \_\_\_\_\_  
(in figures) (in figures) TOTAL

**Item No. A-3**

80 vertical feet of sanitary sewer manhole 6.0 feet and greater (approximately 8 manholes) in diameter rehabilitation by repair and sealing of the manhole base, invert, structure, walls, corbel/cone, and chimney; and structural lining with spray applied urethane or epoxy resin systems or multi-component stress skin liner – Level C Manhole Rehabilitation, and test manhole.

@ \_\_\_\_\_ Dollars and \_\_\_\_\_ Cents  
(in writing) (in writing)

\$ \_\_\_\_\_ per vertical feet equals \$ \_\_\_\_\_  
(in figures) (in figures) TOTAL

**ATTACHMENT to AMENDMENT ONE  
PROPOSAL FORM - REVISED  
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**Item No. A-4**

20 vertical feet of 5 ft. diameter Lakeview sanitary sewer pump station wet well special manhole rehabilitation by repair and sealing of the manhole base, invert, structure, walls, corbel/cone, and chimney; and structural lining with spray applied urethane or epoxy resin systems or multi-component stress skin liner– Level C Manhole Rehabilitation, and test manhole.

@ \_\_\_\_\_ Dollars and \_\_\_\_\_ Cents  
(in writing) (in writing)

\$ \_\_\_\_\_ per vertical feet equals \$ \_\_\_\_\_.  
(in figures) (in figures) TOTAL

**Item No. A-5**

20 vertical feet of 6 ft. diameter Rolling Hills Drive #2 sanitary sewer pump station wet well special manhole rehabilitation by repair and sealing of the manhole base, invert, structure, walls, corbel/cone, and chimney; and structural lining with spray applied urethane or epoxy resin systems or multi-component stress skin – Level C Manhole Rehabilitation, and test manhole.

@ \_\_\_\_\_ Dollars and \_\_\_\_\_ Cents  
(in writing) (in writing)

\$ \_\_\_\_\_ per vertical feet equals \$ \_\_\_\_\_.  
(in figures) (in figures) TOTAL

**Part B - UNIT PRICE WORK ITEMS ORDERED BY THE ENGINEER DURING CONSTRUCTION**

**Item No. B-1**

4 each replace existing manhole casting with new watertight frame and cover, complete-in-place.

@ \_\_\_\_\_ Dollars and \_\_\_\_\_ Cents  
(in writing) (in writing)

\$ \_\_\_\_\_ per each equals \$ \_\_\_\_\_.  
(in figures) (in figures) TOTAL

**Item No. B-2**

2 each replace existing manhole or existing area drain lid with new manhole frame and solid cover, complete-in-place.

@ \_\_\_\_\_ Dollars and \_\_\_\_\_ Cents  
(in writing) (in writing)

\$ \_\_\_\_\_ per each equals \$ \_\_\_\_\_.  
(in figures) (in figures) TOTAL

**AMENDMENT ONE  
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**Part C - CASH ALLOWANCE FOR CONSTRUCTION ITEMS ORDERED BY ENGINEER (to be paid for at Contractor's costs, without markup for overhead and profit)**

**Item No. C-1**

Allowance for extensive manhole location, raising, miscellaneous minor manhole casting repairs, excavation, crushed stone backfill, etc. as ordered by the Engineer.

@ Ten Thousand Dollars and No Cents  
(in writing) (in writing)

LUMP SUM \$10,000.00  
(in figures) TOTAL

**Item No. C-2**

Allowance for rebuilding, repair or replacement of concrete manholes as ordered by the Engineer.

@ Twenty Thousand Dollars and No Cents  
(in writing) (in writing)

LUMP SUM \$20,000.00  
(in figures) TOTAL

**Item No. C-3**

Allowance for reimbursement of fees directly paid to Metro Public Works by the Contractor for Excavation Permits and roadway Closure Permit Fees in accordance with ordinances for roadway excavations and closures on this project. Indirect costs are not included.

@ Five Thousand Dollars and No Cents  
(in writing) (in writing)

LUMP SUM \$5,000.00  
(in figures) TOTAL

**Part D - LUMP SUM ITEM**

**Item No. D-1**

Project surface restoration for areas disturbed by construction including, striping, shoulders; and incidental project surface restoration for outside-of-roadway areas for access, manhole rehabilitation, etc., complete-in-place and ready to use.

@ \_\_\_\_\_ Dollars and \_\_\_\_\_ Cents  
(in writing) (in writing)

LUMP SUM \_\_\_\_\_  
(in figures) TOTAL

\*\* Fill In Product Trade Name  
Manhole Rehabilitation System Bid:\*\* \_\_\_\_\_

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**TOTAL COST PROPOSAL-2009 MANHOLE REHABILITATION**  
**PROJECT NUMBER 03-SG-224-3: PART A, PART B, PART C AND PART D**

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The sum of all parts inclusive of Item No.'s A-1 through A-5, B-1 through B-2, C-1 through C-2 and D-1 is:

\_\_\_\_\_.  
(in writing)  
\_\_\_\_\_ Dollars  
(in writing)  
and \_\_\_\_\_ Cents  
(in writing)

TOTAL \_\_\_\_\_  
TOTAL COST PROPOSAL (in figures)

Contractor's commitment to commence the contract: \_\_\_\_\_ calendar days.  
(in figures)

Contractor's commitment to substantially complete the contract: \_\_\_\_\_ calendar days.  
(in figures)

Contractor's commitment to totally complete the contract: \_\_\_\_\_ calendar days.  
(in figures)

Firm Name: \_\_\_\_\_

By: \_\_\_\_\_  
(signature)

\_\_\_\_\_  
(printed name)

Phone Number: \_\_\_\_\_